

KUCHEROV, V.F.; GURVICH, I.A.; SIMOLIN, A.V.; MIL'SHTEYN, I.M.

Chromatographic analysis and preparative separation of gibberellins.  
Dokl. AN SSSR 163 no.3:765-767 Jl '65. (MIRA 18:7)

1. Institut organicheskoy khimi im. N.D.Zelinskogo AN SSSR. Sub-  
mitted October 7, 1964.

Sl. LII, N. A.

Parotid Glands - Tumor

The case of a fixed tumor of the parotid gland extending into the mastoid process.  
Vest. Otolog. 14 no. 6, 1952.

Monthly List of Russian Acquisitions. Library of Congress, December 1952. UNCLASSIFIED.

SIMOLIN, V.A., kandidat meditsinskikh nauk.

Treatment of chronic rhinitis with injections of sclerosing  
solutions. Vest. oto-rin. 18 no.1:17-22 Ja-F '56. (MLRA 9:6)

1. Iz kliniki ukha, gorla i nosa Gor'kovskogo meditsinskogo instituta  
imeni S.M. Kirova.

(RHINITIS  
chronic, ther., sclerosing solutions)  
(SCLEROSING SOLUTIONS, ther. use  
rhinitis, chronic)

SIMOLIN, V.A., dots. (Gor'kiy)

Diagnosis and treatment of carcinoma of the middle ear [with  
summary in English]. Vest.oto-rin. 20 no.1:64-68 Ja-F '58.  
(MIRA 11:3)  
1. Iz kliniki bolezney ukha, gorla i nosa (zav.-prof. A.A.Atkarskaya)  
Gor'kovskogo meditsinskogo instituta.  
(EAR, MIDDLE, neoplasms  
diag. & ther. (Rus)

SIMOLIN, V.A., dots.

Carcinomatous pseudoleptomeningitis simulating a purulent brain  
abscess. Vest.otorin. 20 no.2:117-119 Mr-Ap '58.  
(MIRA 12:11)

1. Iz kliniki bolezney ucha, gorla i nosa (zav. - prof. A.A.  
Atkarekaya) Gor'kovskogo meditsinskogo instituta.

(BRAIN NEOPLASMS, case reports

carcinomatous pseudoleptomeningitis simulating  
purulent brain abscess (Rus))

SIMOLIN, V.A., dotsent

Morphological changes in the malleus and incus in chronic  
suppurative otitis media. Vest. otorin. 21 no.3:43-48  
My-Je '59. (MIRA 12:9)

1. Iz kliniki bolezney ucha, gorla i nosa (zav. - prof. A.A.  
Atkarskaya) Gor'kovskogo meditsinskogo instituta.  
(OTITIS MEDIA, pathol.  
malleus & incus, morphol. changes in chronic  
suppurative otitis (Rus))

SIMOLIN, V.A., dotsent

Data for the study of the effect of ultrasonic waves on the ear  
of experimental animals. Zhur.ush., nos. i gorl.bol. 22 no. 4:43-  
51 Jl-Ag '62. (MIRA 16:2)

1. Iz kliniki bolezney ukha, gorla i nosa Gor'kovskogo meditsinskogo  
institutaimeni S.M. Kirova.  
(EAR) (ULTRASONIC WAVES-PHYSIOLOGICAL EFFECT)

SIMOLIN, V.A., dotsent; ALEXSEYEV, S.I.

Osteomas of the cranium according to data of the otorhinolaryngological department of the N.A. Semashko Clinical Hospital for a period of ten years. Zhur. ush. nos. i gorl. bol. 23:33-35 N-D '63.

(MIRA 17:5)

1. Iz kliniki bolezney ukha, gorla i nosa (zaveduyushchiy - dotsent V.A. Simolin) Gor'kovskogo meditsinskogo instituta i ushno-golosovogo otdeleniya Gor'kovskoy oblastnoy klinicheskoy bol'nitsy im. N.A. Semashko.

SIM'LOV, A. F.

N/5

663

.K8

Sbornik zadach po teoreticheskoy elektrotekhnike ( Collected Problems  
in Theoretical Electrical Engineering, b.) V. I. Konstantinov, N. N.  
Mansurov, A. F. Simolov, A. A. Fedorov-Korolev.  
Pod obshchey red. N. N. Mansurova.  
Moskva, Gosenergoizdat, 1953

176 ;. Diagrs., Tables.

SIMON, A.

Regional child care in the Hungarian Peoples Republic. Orv. hetil.  
104 no.6:272-273 10 F '63.  
(PRENATAL CARE) (CHILD CARE) (PUBLIC HEALTH ADMINISTRATION)

Category	:	RTMANT
Category	:	Human & Animal Medicine. Inner Secretion. The Pancreas.
Abs. Jour.	:	Ref Zahn-Med., No 26, 1955, 103694
Author	:	Opres, Nicolle; Borch, Euge; <u>Simon, Adelbert</u> ;*
Institut.	:	-
Title	:	A New Clinical Test in Exploring Pancreatic Functions in Diabetes (4 Cases).
Orig. Pub.	:	Pediatrics, 1957, 6, 532-538
Abstract	:	No abstract.

Card: 1/1

## PAGE 1 BOOK REPRODUCTION

EN/7783

GUL, Translations. Institute of Mathematics

Selected publications (Scientific series) Gul, Izdatelstvo Poligrafii, 1979.  
657 p. Price: 112. Leningrad. No. of copies present not given. In  
contemporary metalcase.

PURPOSE: This book is intended for mathematicians, physicists, chemists, and  
civil and mechanical engineers.

CONTENTS: The book consists of 59 papers by Russian specialists on problems in  
mathematics and technology, particularly mechanics, physics, chemistry,  
mechanical, civil and mechanical engineers. Summaries in Russian and  
French or German are given at the end of each article. Some of the articles  
are accompanied by references. No personalities are mentioned. At the back  
of the book there are 27 references, all Russian.

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Electrical Engineering Abstracts  
June 1954  
Electrical Engineering

621.396.677.4 : 621.372.43

2592. Matching circuits for asymmetrical wire  
aerials. A. SIMON. Frequenz, 8, 48-56 (Feb., 1954) In  
German.

The problem of matching a transmitter output stage to various aerials covering a wide frequency band is studied. Two alternative circuit arrangements are recognized: (1) an adjustable tuned output circuit with a coupling network to the aerial to compensate for aerial reactance; and (2) a matching network with all adjustable elements included in it. Arrangement (1) can take several forms but design in practice is difficult. It is, however, suitable for small transmitters where it can be tuned with simple apparatus. Arrangement (2) can include either three or two adjustable elements and examples of both forms are given together with impedance charts and design procedure. One circuit with two adjustable elements only but capable of covering a wide range of aerial resistance is particularly favoured as it can be adjusted with the aid of a simple impedance measuring equipment.

H. G. M. SPATI

SIKI, A.

"An Experiment in Electromagnetic Drainage Carried out on a Large Scale at Sarecsatah", P. 393. (ELYRÉPÜST BÖLÉNYI Szemle, Vol. 4, No. 7/8, July/Aug. 1954, Budapest, Hungary)

SC: Monthly List of East European Accessions, (EPAI), LC, Vol. 4, No. 1, Jan. 1955, Uncl.

SIMON, A.

SIMON, A.— Millisecond rock blasting in the civil engineering. p. 127.  
Vol. 6, no. 3, Mar. 1956.  
MELYEPITESTUDOMANYI SZEMLE. (Kozlekedesi Kiado) Budapest.

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4—April 1957

SIMON, A.

Internal corrosion of deep wells. p. 280. Vol. 6, No. 6 June 1956.  
MELYETI I STUDOMANYI SZEMLE. Budapest, Hungary.

SOURCE: East European List, (EEAL) Library of Congress Vol. 6, No. 1  
January 1956.

BC

## PROCESSES AND PROPERTIES INDEX

a-4

## Pharmacology of the vasoconstrictor substances in blood-serum. A. Simon (Magyar Orv.

Arch., 1938, 39, 648-663).—During clotting the thrombocytes liberate substances increasing blood pressure (thrombovatin);  $\alpha$ - or early thrombovatin is vasoconstrictor, and  $\beta$ - or late thrombovatin is vasoconstrictor. The effect of  $\beta$ -thrombovatin of cattle, sheep, cow, and rabbit on the blood pressure of decapitated rats is potentiated by cocaine. The thrombovatin of men, dogs, and horses are not potentiated by cocaine. Both  $\alpha$ - and  $\beta$ -thrombovatin increase the tone of rabbit's small intestine (potentiated by cocaine) after a short initial depression. (i.e., but not dog, thrombovatin can be dialyzed from the serum.)

A. W. M.

## AIA-SLA METALLURGICAL LITERATURE CLASSIFICATION

12001 11111111

133001 11111111

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CZECHOSLOVAKIA / Laboratory Equipment, Apparatus; Their  
Theory, Construction and Application

F

Abs Jour : Rof Zhur - Khim., No 10, 1958, No 32296

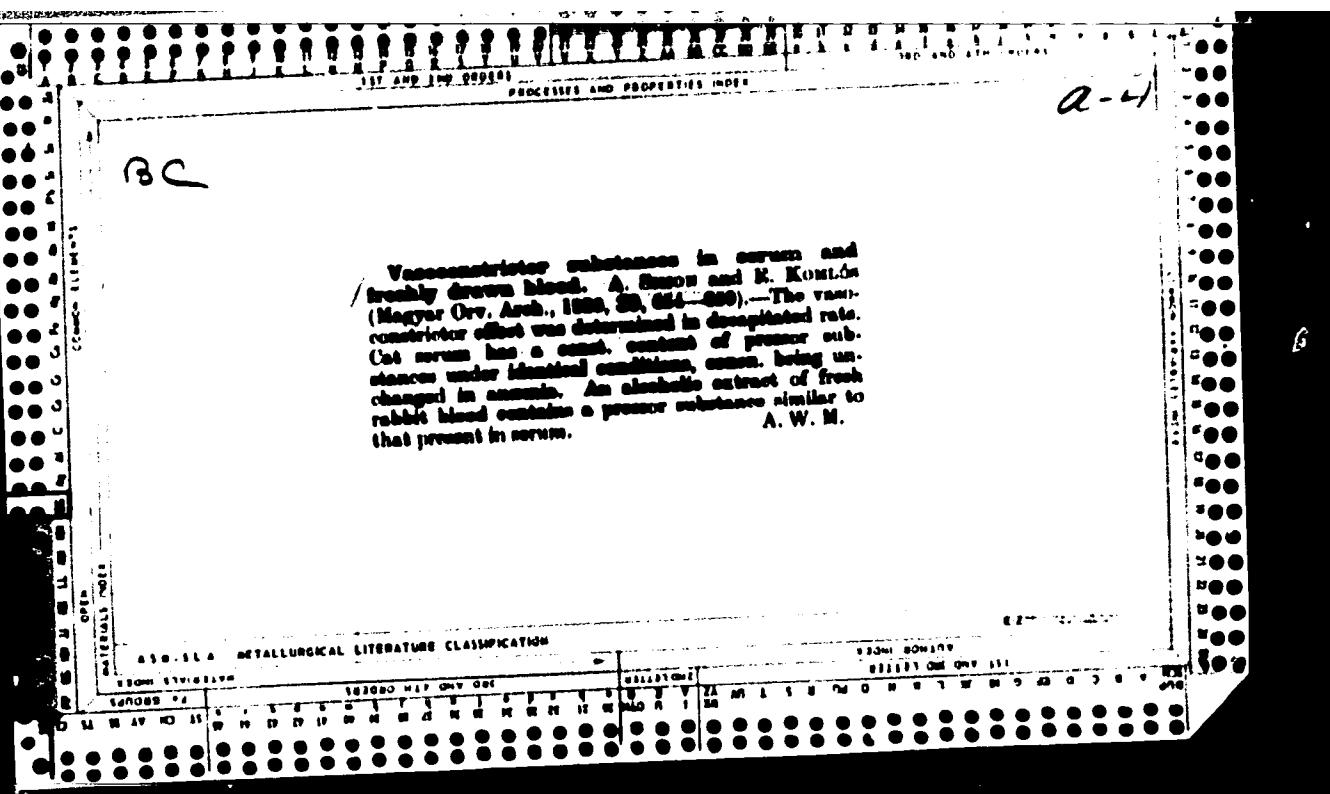
Author : Jaroslav Simok

Inst :  
Title : Device For Distillation Apparatusos.

Orig Pub : Chom. prumysl, 1957, 7, No 8, 416-417.

Abstract : A device with ground connections for distillation ap-  
paratusos, which is plugged in between the rotort and the  
return cooler, is described. This device makes it possible  
to plug in a drain cooler or a receiver rotort without sus-  
pending the distillation and to check the temperature of  
the inflowing vapor with a thermometer inserted in a spe-  
cial ground holdor.

Card 1/1



SIMON, A.

Theory of the agar diffusion method. Antibiotiki 4 no.1:108-112 Ja-F '59. (MIRA 12:5)

1. Laboratoriya farmatsevticheskogo zavoda "Khinoin," Budapesht. (ANTIBIOTICS, determ.

agar diffusion method (Rus))  
(AGAR,

diffusion method of determ. of antibiotics (Rus))

SIMON, A.

Contribution to the biosynthesis of cyanocobalamin in *Propionibacterium shermanii* cultures. *Acta microb. hung.* 6 no.4:263-273 '59.

1. Fabrik fur Arzneimittel und Chemische Produkte,Chinoim,  
Budapest.

(VITAMIN B 12 metab.)  
(PROPIONIBACTERIUM culture)

KELEMEN, Agnes M.; SIMON, A.

A vitamin B<sub>12</sub> antagonist isolated from *Propionbacterium shermanii*.  
I. Isolation, structure and microbiological examinations. *Acta  
microbiol. acad. sci. hung.* 8 no.3:223-230 '61.

1. Research Institute for Pharmaceutical Industry, and Chino in  
Pharmaceutical and Chemical Works, Budapest.  
(VITAMIN B 12 antag) (PROPIOBACTERIUM)

KELEMÉL, Agnes M.; SIMON, A.

A vitamin B<sub>12</sub> antagonist isolated from *Propionbacterium shermanii*.  
II. Investigations of the origin of factor X. *Acta microbiol. acad. sci. hung.* 8 no.3:231-235 '61.

1. Research Institute for Pharmaceutical Industry, and Chinoim  
Pharmaceutical and Chemical Works, Budapest.  
(VITAMIN B12 antag) (PROPIONBACTERIUM)

KELEMEN, Agnes M.; SIMON, A.

Microbiological examination of a natural vitamin B<sub>12</sub> antagonist.  
Acta microbiol. acad. sci. hung. 8 no.3:237-242 '61.

1. Research Institute for Pharmaceutical Industry, and Chinoim  
Pharmaceutical and Chemical Works, Budapest.  
(VITAMIN B12 antag) (PROPIONBACTERIUM)

KELEMEN, Agnes M.; CSANYI, E.; SIMON, A.

Microbiological and haematological actions of cyanocobalaminic-monocarboxylic acid isomers. Acta physiol. 21 no.2:177-180 '62.

1. Research Institute for Pharmaceutical Industry and Chincin  
Pharmaceutical and Chemical Works, Budapest.  
(VITAMIN B 12 related cpds) (LEUKOCYTES pharmacology)  
(ESCHERICHIA COLI pharmacology)

SIMON, A.

Cultivation of micro-organisms in cylindrical powder vials  
placed in a vibrator. Antibiotiki 8 no.5:432-434 My'63  
(MIRA 17:3)

1. Fabrika "Khinein" dlya khimicheskikh i farmatsevticheskikh  
preparatov, Budapest.

LEADER, I.; DEACU, L.; SIMON, A.; LAZAR, P.

Contributions to the calculation of friction electromagnetic  
clutches with ferridiamagnetic materials. Bul stiint polit Clu:  
6;205-305 '63.

SIMON, A., KOVACS, St.; KELEMEN, A.

Transistorized automatic installation for program regulating of thermal conditions of thermal treatment furnaces. Bul stiint polit Cluj 6:349-354 '63.

## WILHELM K. K. - DER STÄDTISCHE ADEL (YUGOSLAVIEN)

Mathematics take the place of manual labor. Full of patokboz. 9  
no. 68467 165. (MIRA 1816)

1. Zemstvočeskij national'nye Šturyony dorogi (poř Petrov).
2. Nachal'čik pričetel'nye i Šturyony stantsii Severnoy dorogi (poř Simony).

SIMON, Agoston

A phenomenon resembling the Liesegang's rings in *Actinomyces* cultures. Biol kozl 8 no.1:85-88 '60.

1. Chinoin Gyogyszer es Vegyitermek Gyara.

\*

NADASY, Miklos, dr., okleveles vegyeszmernok; SIMON, Agoston, okleveles  
vegyeszmernok

Synthesis of germanium from the fly ashes of power plants.II.  
Examination of fly ashes of the Hungarian power plants. Energia  
es atom 15 no.8:350-353 Ag '62.

1. Nevezvegyipari Kutato Intezet, Veszprem.

PIUKOVICH, Istvan; VARGA, Laszlo; GABOR, Miklos; TENYI, Maria; HORVATH, Endre;  
SIMON, Akosne

4

Formation of the serum protein-bound carbohydrate- and haptoglobin-  
level in experimental liver damage in rats. Kiserl. orvostud. 16 no.  
41400-404 Ag '64.

1. Szegedi Orvostudomanyi Egyetem Szuleszeti es Nogyogyaszati kli-  
nikaja, II sz. Belgyogyaszati Klinika ja es az Orszagos Verellato  
Szolgaiat Kozponti Kutato Intezet, Budapest.

DUH, Andras, dr.; HORVATH, Endre, dr.; HEMAN, J. Oska, dr.;  
SIMON, Akosne, dr.; BAJTAI, Gabor, dr.; HERFELI, Endre, dr.

Hemolytic complication in blood transfusion caused by an  
antibody in the Lewis blood group. Orv. hetil. 104 no.37:  
1737-1740 15 S '63.

1. Orszagos Verellato Szolgalat Kozponti Kutatointezet, Pecsi  
Veradoalkozpont, Mohacsi Veradoallomas.

(BLOOD TRANSFUSION)

(BLOOD GROUP INCOMPATIBILITY)

(HEMOLYSIS) (ANTIGEN-ANTIBODY REACTIONS)

(ABO FACTORS) (RH FACTORS)

(STOMACH ULCER)

(HEMORRHAGE, GASTROINTESTINAL)

DÜH, Andras, dr.; SIMON, Akosne; HORVATH, Endre, dr.

On the dangers of the use of "universal donor blood" and preventive  
measures. Orv. hetil. 103 no.39;1825-1830 30 S '62.

1. Orszagos Verelias Szolgalat Kozponti Kutato Intezet.  
(BLOOD GROUPS) (BLOOD TRANSFUSION)

HORVATH, Endre, dr.; DUH, Andras, dr.; SIMON, Akosne, dr.

On the causes of false results in the determination of the  
Rh factor. Orv. hetil. 104 no.46:2167-2169 17 N '63.

1. Orszagos Vertransfuzios Szolgalat, Kozponti Kutato Intezet.  
(RH FACTORS) (BLOOD GROUP INCOMPATIBILITY)  
(AUTOANTIBODIES)

RABAI, Jozsef, dr.; SIMON, Akosne, dr.; HORVATH, Endre, dr.

Haptoglobin level of the blood serum in various phases of  
silicosis. Trv. metil. 106 no. 55204-206. 26. Ja '65

1. Fensl Orvostudomanyi szemle. 1. Belklinika es Orszagos  
Vetesztesfuzios Szolgalt.

35132

S/169/62/000/008/036/090  
E202/E592

AUTHOR: Simon, Antal

TITLE: Connection between the potential gradient in the atmosphere and the radioactivity in the ground layer

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 3, 1962, 32,  
abstract 8B241. (Országos meteorol. int. hivatal.  
kiadv., 24, 1961, 268 - 275)

TEXT: The results of simultaneous measurement of the potential gradient and intrinsic radioactivity are given. The measurements were carried out in Budapest. The dependence between the potential gradient and the radioactivity in the surface layer of the atmosphere was found. VB

[Abstracter's note: Complete translation.]

Card 1/1

S/169/62/000/001/046/083  
D228/D302

AUTHOR: Simon, A.

TITLE: Measuring the gradient potential at the Marczell György Observatory

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 1, 1962, 31, abstract 1B212 (Idöjfás, 65, no. 3, 1961, 164-169)

TEXT: The atmosphero-electrical theory of the "thunderstorm generator" is stated. Measurements of the gradient potential which are being undertaken at the Marczell György Observatory are considered from the point of view of this theory. Then, the monthly and yearly variation of the gradient potential is analyzed in detail; the seasonal curves are compared with the analogous curves of the Odialla and Potsdam Observatories. [Abstractor's note: Complete translation.] ✓

Card 1/1

S/169/62/000/011/028/077  
D228/D307

AUTHOR: Simon, Antal

TITLE: New theories of the origin of atmospheric electricity

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 11, 1962, 36-37,  
abstract 11B234 (Időjárás, 66, no. 1, 1962, 39-41  
(Hun.; summary in Ger.))

TEXT: A new hypothesis, explaining the stable nature of atmospheric electricity, is stated. It has been established by different investigators that the atmosphere's electric field is maintained by a certain process, having stable characteristics. The opinion exists that the source of energy for this process is thunder-storm activity, developing at a point on the globe. Attempts are made to find an explanation by means of measuring the atmospheric electricity balance.  
[Abstracter's note: Complete translation]

Card 1/1

SIMON. Antal

Effect of the city in the changes of the potential drop of atmospheric electricity. Idojaras 66 no.2:90-95 Mr-Apr '62.

S/169/63/000/003/019/042  
D263/D307

AUTHOR: Simon, Antal

TITLE: Effect of nuclear explosions on the electric field  
of the atmosphere

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 3, 1963, 23,  
abstract 33170 (Időjárás, 1962, v. 66, no. 3, 146-  
153 (Hun.: summaries in Rus. and Eng.))

TEXT: The author discusses the planetary distribution of  
atmospheric radioactivity and the ionising action of radioactive  
fallout accumulating in the ground-adjacent layer of the atmosphere.  
From measurements carried out in Belgium the author discusses the  
electric effect of radioactive clouds. It was found that artificial  
radioactivity shows an effect of the atmospheric electric field.

Abstracter's note: Complete translation

Card 1/1

SIMON, Antal

Change in the potential drop near the ground during the February 15, 1961, solar eclipse. Idojaras 66 no.4:214-216 Jl-Ag '62.

SIMON, Antal

Highly radioactive particles in the atmosphere. Idojaras 67  
no. 5:287-289 S-0 '63.

SIMON, Antal

"Atmospheric electricity" by H. Israeli. Reviewed by Antal Simon. Idojaras 67 no.6:378-379 N-D '63.

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550710003-9

ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED  
DATE 08-23-2000 BY SP-163

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550710003-9"

2000, India.

Measuring the natural radioactivity of the atmosphere over  
Budapest. Cross section int base tail kit. 43-49-162(sub), '63.

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001550710003-9

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550710003-9"

L 30756-66 EWT(m)/FCC RO

ACC NR: AP6020267

SOURCE CODE: HU/0033/65/069/003/0168/0174

AUTHOR: Simon, Antal

ORG: none

TITLE: Fallout of artificial radioactivity in the Carpathian basin during 1964

SOURCE: Idojaras, v. 69, no. 3, 1965, 168-174

TOPIC TAGS: radioactive fallout, radioactive aerosol, atmospheric radioactivity

ABSTRACT: Fallout data, collected at the observatories in Budapest, Debrecen, Pecs, Siofok, and Szeged with the aid of aerosol filter techniques, were presented and evaluated. Data on the radioactivity of the aerosol collected, on the yearly course (in 1964) of the radioactive sediment deposition, and the accumulated total sediment deposition for the year of 1964 were given. The variations between the findings at the different observatories were explained in terms of meteorological phenomena prevailing at the regions involved. Orig. art. has 9 figures. [JPRS]

SUB CODE: 18, 04 / SUBM DATE: none / ORIG REF: 002 / OTH REF: 003

Card 1/1 US

130758-66

ACC NR: AP6020269

SOURCE CODE: MU/0033/65/069/003/0179/0182

AUTHOR: Simon, Antal

43

B

ORG: none

TITLE: Relative method for measuring pollution of air by soot

SOURCE: Idojaras, v. 69, no. 3, 1965, 179-182

TOPIC TAGS: filter, air pollution, radioactive fallout, photometer, photometry

ABSTRACT: The filter papers used for the determination of radioactive fallout between 1961 and 1964 at the Aerological Observatory (Aerologial Obszervatorium) in Budapest were examined with an DMG Magnephot II photometer converted to operation by reflected light. The degree of blackening was considered to be a relative indication as to the pollution of the atmosphere by soot during the period concerned. The data obtained were presented and discussed. A comparison of these data with data pertaining to Vienna, Austria, indicated that the level of atmospheric pollution by soot shows an increasing tendency in the East-Central European region. Orig. art. has: 3 figures. [JPRS]

SUB CODE: 04, 20 / SUBM DATE: none / OTH REP: 001

Cont 1/1 LS

L 38642-66 FCC

ACC NR: AF0027672

SOURCE CODE: HU/0033/66/000/002/0100/0105

4/6  
BAUTHOR: Simon, Antal

ORG: none

TITLE: Concentration of medium-size and large ions

SOURCE: Idojaras, no. 2, 1966, 100-105

TOPIC TAGS: atmospheric ion concentration, meteorologic instrument, electrometer, charged particle, particle size, particle distribution

ABSTRACT: This article is the text of the author's lecture delivered at the Conference on Cloud Physics organized by the Hungarian Meteorological Society (Magyar Meteorologai Tarsasag) in Budapest, 8-10 Sep 1965. The concentration of sub-microscopic-size, electrically charged aggregat particles was measured at Marczell Gyorgy Aerological Observatory (Marczell Gyorgy Aerologial Obszervatorium) in Budapest, using the Israel-type ion counter manufactured by Spindler & Hoyer [manufacturer's location not given] in conjunction with a Lindemann electrometer. Data were presented on the annual course of the ion concentration, effects of some meteorological parameters on the ion concentration, and particle-size distribution of the particles. Orig. art. has: 7 figures. [JPRS: 36,452]

SUB CODE: 04, 20 / SUBM DATE: none / ORIG REF: 001 / OTH REF: 001

Card 1/1 *ell*

10/7 11/7

L 08254-67

ACC NR: AP-034332

SOURCE CODE: HU/0033/66/000/005/0261/0265

AUTHOR: Simon, Antal

22  
B

ORG: none

TITLE: Beta radioactivity of artificial origin in the atmosphere over Budapest during 1961—1965

SOURCE: Idojaras, no. 5, 1966, 261-265

TOPIC TAGS: atmospheric contamination, atmospheric radioactivity, troposphere, beta radioactivity, radioactive fallout, aerosol/Budapest atmosphere

ABSTRACT: Data on beta radiation of artificial origin, both from aerosols and from fallout, obtained at the Aerological Observatory during 1961—1965, are discussed. The mechanism of stratospheric fallout is analyzed and an attempt is made to determine the time it remains both in the stratosphere and the atmosphere. Orig. art. has: 8 figures. [Based on author's abstract]

SUB CODE: 04, 18/ SUBM DATE: none/ ORIG REF: 003/ OTH REF: 005/

Card 1/1

SIMON, Antal

Responsibility of miners. Munka 15 no.178-9 Ja '65.

1. Secretary, Trade Union of Miners.

SIMON, A.

SIMON, A. - Production of polyvinyl alcohols and polyvinyl acetals. p. 243  
Vol. 11, no. 8, Aug. 1956  
MAGYAR KEMIKUSOK LAPJA - Budapest, Hungary

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

1  
The polymerization of monoolefins. Artur Simon  
(Szerves Vegyipari és Műanyagipari Kutató Intézet, Budapest, Hung.). Magyar. Akad. Lapja 14, 72-6 (1959).--  
Review article with 25 ref. Felicitas D. Goodman

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99

SILVET, A. ; KOMORNÍK, I.

Data on the chlorination occurring in PVC solvent. p. 20.

HUNGARIAN SEMICONDUCTOR INDUSTRY (Magyar Sémikészletek) Budapest, Hungary  
Vol. II, no. 4/3, Feb./Mar. 1959.

Monthly list of East European publications (EEL), 12, Vol. 3, No. 8,  
August 1959.  
"nela.

*SIMON*

66.007.3.017  
48/60 Studies on the formation of titanium tetrachloride-aluminium alkyl catalyst systems. A. Hiltner, L. K. Varga, Gy. Dancsó, I. D. Léhoczky. Magyar Kémiai Folyóirat, Vol. 65, 1959, No. 5, pp. 197-201, 8 figs.

*6*  
*1/2 pg (N/B)*

$\text{Al}(\text{C}_2\text{H}_5)_3$  and  $\text{TiCl}_4$  were reacted in molar ratios of 0.5-3 and the reaction products were analyzed in order to establish the composition of the formed complex compounds. In the above range of molar ratios the starting materials gave compounds with almost constant Al and Ti contents; the formation of these compounds could be described with reaction equations which conformed well to the processes. A method was developed for measuring the gas evolution which accompanied the formation of the catalyst complexes; the measured amounts of gases did not correspond to the reaction equations because the gas undergoes further reactions which is also verified by the fact that the amount of gas produced decreases with time.

*case*

SIMON, Artur

Our achievements in polyethylene research. Kem tud kozl MTA 14 no.3:  
305-306 '60. (EEAI 10:9)

1. Szerves Vegyipari es Muanyagipari Kutato Intezet, Budapest.

(Hungary--Ethylene) (Polymers and polymerization)  
(Catalysts)

## PART I BOOK EXPLOITATION

808/1983

International symposium on macromolecular chemistry. Moscow, 1960.  
 Mezhdunarodnyi simposium po makromolekulyarnoy khimii, SSSR, Moskva, 14-18 iyunya 1960 g. doklady i sbornik. Sbornik II. (International Symposium on Macromolecular Chemistry. Held in Moscow, June 14-18; Papers and Summaries) Section II. (Moscow, Izd-vo Akad SSSR, 1960) 559 p. 5,500 copies printed.  
 Sponsoring Agency: The International Union of Pure and Applied Chemistry. Commission on Macromolecular Chemistry  
 Tech. Ed.: T.A. Proshkova.

PURPOSE: This book is intended for chemists interested in polymerization reactions and the synthesis of high-molecular-weight compounds.

CONTENT: This is Section II of a multivolume work containing papers on macromolecular chemistry. The papers in this volume treat mainly the kinetics of various polymerization reactions initiated by different catalysts or induced by radiation. Among the research techniques discussed are electron paramagnetic resonance spectroscopy and light-scattering interpolation. There are 12 articles in English, French and Russian. No summaries are mentioned. References follow each article.

Mihail, J., and J. Bernascek (Slovakia). On the Mechanism of the Polymerization Reaction of Stereoregular Polymers 302

Simeonov, A., and G. Gyimesi (Hungary). On the Kinetics of a Reaction on Ziegler Catalysts 310

Wiemerle, O., M. Marek, and I. Trnkova (Czechoslovakia). Kinetics of the Polymerization of Isobutylene on a Heterogeneous Catalyst 322

Boček, V. (Czechoslovakia). Heterogeneous Catalysts for the Polymerization of Alpha-Olefins 330

Veale, K., F. J. Lander, R. Villa, and O. Smidk (Czechoslovakia). The Effect of Donor Type Impurities on the Polymerization of Propylene. Catalyst by the System Tin(IV) Chloride-Triethyl-Aluminum 337

Solopkova, Edo (USSR). Study of the Factors Leading to the Degradation of Chain Structure During the Ionic Polymerization of Diene 346

Tomaszewska, Halina, Wang Pei-jung, and A.I. Matyushko (USSR). Study of the Interaction of Organometallic Compounds With Salts of Heavy Metals and the Use of Organometallic Compounds and Their Complexes to Stabilize Polymerization 355

Santos, L., and E. Gil (Hungary). The Effect of Organic Inner Complexes of Some Salts of Variable Valence on the Kinetics of the Polymerization of Vinyl Compounds 366

Breuer, S.Ya., M.I. Rostovskii, I. Ya. Podkubtsev, and Sh. Kuznetsov (USSR). Study of Some Details of the Mechanism of Polymerization Under the Action of Complex Catalysts 372

Tsvetkov, V.I., G.I. Minutov, M.I. Jurkina, and M.G. Ovchinnikova (USSR). Heterospecificity and the Optical Properties of Polymers 373

Slobodcikov, I.M., Yu. Ya. Gorilova, and O.B. Prikhodko (USSR). The Heterospecificity of Polymers and Methods of Study 383

Abram, A.B., A.I. Sheremet, M.I. Kabanov, and L.P. Melnikova (USSR). On Carbonyl and Carbonyl Polymers and Their Mechanisms Under the Effects of Gamma Radiation 410

Kabanov, I.A., and V.A. Kabanov (USSR). Polymerization Processes in Insoluble Molecular Dispersions 433

Mel'nikova, I. Mel'nikova, and I. Petic (Czechoslovakia). Kinetics of the Polymerization of Phenylacetylene 253

Vesely, L. (Czechoslovakia). On the Mechanism of Ionic Polymerisation 262

Kádár, L., and Á. Kádár (Hungary). On the Role of Nonpolar

Compounds in the Cationic Polymerization of Isobutylene 272

21

45

SIMON, Artur; KOVACS, Lajos; KOLLAR, Laszlo; BILSENYI, Gyorgy

Investigations into the development of titanium-tetrachloride aluminum alkyl catalyst systems in connection with the atmospheric polymerization of ethylene. III. Magy kem folyoir 66 no. 2:45-48 F '60.

1. Szerves Vegyipari es Muanyagipari Kutato Intezet, Budapest.

GOMES, Gyorgy; SIMON, Artur; ANDOR, Istvan

Investigation of the polymerization of ethylene by means of  
Ziegler's catalyst. Magy kem folyoir 66 no.7:241-249 J1 '60.

1. Szerves Vegyipari es Muanyagipari Kutato Intezet, Budapest.

SIMON, Arthur; GHYMES, Gyorgy; GOR-NAGY, Sandorne

Data on the reaction kinetics of Ziegler's catalysts.  
Magy kem folyoir 66 no.10:386-389 0 '60.

1. Szerves Vegyipari es Muanyagipari Kutato Intezet,  
Budapest.

SIMON, Artur

Some results in the polyolefin research in Hungary. Magy kem  
lap 18 no.2/3:99-104 F.Mr '63.

1. Muanyagipari Kutato Intezet.

CZAJLIK, Istvan; SIMON, Artur.

Synthesis of alkyl-aluminum-sesquibromides with higher carbon  
atomic number. Magy kem folyoir 69 no.12:559-560 D'63.

1. Muanyagipari Kutato Intezet, Budapest.

L 44056-66 DDP(L)/T IJP(c) RM  
ACC NR: AP6032674

SOURCE CODE: HU/0005/66/000/002/0077/0078

AUTHOR: Kollar, Laszlo; Borocz, Laszlo--Berets, L.; Simon, Artur--Shimon, A.;  
Ernöne, Horvath  
ORG: Research Institute for the Plastics Industry, Budapest (Muanyagipari Kutato  
Intezet)

TITLE: Study of the alpha-TiCl<sub>3</sub> sub 3 -AlEt<sub>3</sub> sub 3 catalyst system

SOURCE: Magyar kemiai folyoirat, no. 2, 1966, 77-78

TOPIC TAGS: propylene, catalytic polymerization

ABSTRACT: The effects of the TiCl<sub>3</sub>:AlEt<sub>3</sub> ratio on the polymerization of propylene was investigated in terms of the reaction taking place between these two catalyst components (cf. Simon, A., Kollar, L., and Borocz, L.; Monatsh. Chem., vol. 95, 1964, p. 842). In general, this reaction reduced the effectiveness of the system as a catalyst. The extent of this effect was followed by an X-ray determination of the crystalline TiCl<sub>3</sub> content in the catalyst mixture. The X-ray determinations were performed by the Department for Polymer Micromorphology (Polímermikromorfologiai Osztály) at the Research Institute for the Plastics Industry. Orig. art. has: 5 figures. [JPRS: 34,805]

SUB CODE: 07 / SUBM DATE: 08Jun65 / OTH REF: 005

Card 1/1 blg

0919 2799

Ministry of National Defense, Moscow, USSR

Ministry of National Defense, Moscow, USSR  
22 April 1957.

Ministry of National Defense, Moscow, USSR  
22 April 1957.

SIMON, A.A.

Power warnings! Put' i put. khoz. no.1:10 Ja '58. (MIRE 11:1)

1. Zamestitel' nachal'nika distantsii puti, stantsiya Yershov  
Privolzhskoy dorogi. (Railroads--Signaling)

SIMON, A.A., inzh. (Yaroslavl')

Our experience in the maintenance of tracks with narrowed  
gauge. Put' i put.khoz. no.7:34 '62. (MIRA 15:7)  
(Railroads--Track)

SIMON, A.A., inzh.

Laying of plane switching systems. Put' i put.khoz. 6 no.6:5-6  
'62. (MIRA 15:2)

l. Nachal'nik puteobesledovatel'skoy stantsii na Severnoy doroge,  
g. Yaroslavl'. (Railroads--Switches)

SIMON, A.A., inzh. (Yaroslavl')

Experience in the maintenance of rail fastenings of a new type. Put'  
i put.khoz. 7 no.2:13-14 '63. (MLA 16:2)  
(Railroads—Rails—Fastenings)

SIMON, A.A.

Switches of the 1/22 marking have been installed on the track.  
Put' i put. khoz. 7 no.11:3-5 '63. (MIRA 16:12)

1. Nachal'nik Yaroslavskoy puteobsledovatel'skoy stantsii.

SIMON, A.A.

Some operational characteristics of flat-type switches. Put' i put.khcz.  
8 no. 1234-6 '64. (MIRA 18:1)

1. Nachal'nik puteotsledovatel'skoy stantsii, Yaroslavl'.

PRITULA, V.A.; KORNfel'd, I.A.; SIMON, A.G.

Electrolytic corrosion of metal and reinforced concrete structures in electrolysis sections. Khim. prom. no.1:33-35 Ja-P '57.  
(Electrolytic corrosion) (Reinforced concrete) (MLRA 10:4)

SIMON, A. S.

19

4620

7 Decomposition of alkali metal amalgams. G. I. Vokoy,  
E. A. Kalyanov, V. V. Liss, A. G. Simon, and P. O.  
Khulin. U.S.S.R. 106,252, July 23, 1937. The app. for  
decompr. of the amalgam is arranged in the form of steps  
over which the amalgam flows in parallel streams.

Mr. Hirsch

for RL  
mf

Simon A. G.

3  
Decolorization of waste products. S. S. Sharabin, A. G. Simon, and S. M. Kruglyi. U.S.S.R. 107,605, Sept. 25, 1957. HCl is added to the Cl-Cl<sub>2</sub> gas, water and the Cl given off is collected by known means. M. Hoseh

SIMON, A. G.

Distr: 4E4j

27

Manufacture of salts of oxygen acids of chlorine. G. A. Dimitrov, A. I. Kochalov, and A. I. Simon. Khim. Neft. Prom. 2, 743-51 (1967).--Review with 68 references.

I. Benowitz

USSR/Chemical Technology - Chemical Products and Their  
Application. Electrochemical Manufacturing. Electro-  
deposition. Chemical Sources of Electrical Current. H-6

Abs Jour : Referat Zhur - Khimiya, No 1, 1958, 1924

Author : Faynshteyn S.Ya., Khain P.G., Simon A.G., Kruglyy S.M.

Inst : -

Title : Basic Trends in the Development of Industrial Chlorine  
Production Abroad.

Orig Pub : Khim. prom-st', 1957, No 4, 53-59

Abstract : No abstract.

Card 1/1

FAYNSHTEYN, S.Ya.; KHAIN, P.G.; SIMON, A.G.; KRUGLYY, S.M.

Basic trends in the development of chlorine production technology  
abroad. Khim.prom. no.4:245-251 Je '57. (MLRA 10:9)  
(Chlorine industry)

SIMON, A. G.

64-1-19/19

## AUTHORS:

Faynshteyn, S. Ya., Khain, P. G.,  
Kruglyy, S. M., Simon, A. G.

## TITLE:

Main Trends in the Development of the Methods of Chlorine  
Production (Osnovnyye napravleniya razvitiya tekhniki  
proizvodstva khlora) \* see Khimicheskaya Promyshlennost'  
1957, Nr 4, p. 245 (zm. Khim.prom., No 4, 245, 1957)  
Reworking of Electrolytic Lyes (Pererabotka  
elektroliticheskikh shchelokov)

## PERIODICAL:

Khimicheskaya Promyshlennost', 1958, Nr 1, pp. 57-64 (USSR)

## ABSTRACT:

Under the heading "From Abroad" this paper deals exclusively with foreign production- and working methods, and gives some statistical data as well as various commentaries on the advantages and disadvantages resp. of the individual methods. A schematic description with a detailed explanation of an evaporating plant of the firm "Buflovak" (Buffalo, USA) is given as well as a second scheme of a continuous evaporating plant for electrolytic lyes. Several details of the chlorine production plants of the firm "Diamond Alkali Co." are given as well as data on quality and production. Working methods

Card 1/2

Main Trends in the Development of the Methods of Chlorine Production. See *Khimicheskaya Promyshlennost'*, 1957, Nr 4, p. 245.

Reworking of Electrolytic Lyes

of the purification of caustic soda in the USA are given with a schematic description of a refining plant with liquid ammonia as well as the scheme of a device for the production of anhydrous caustic soda which was also developed in the USA. Details concerning the making firms, operational balances and the capacity of the plants are continuously given in the paper.

There are 4 figures, 1 table, and 36 references, 0 of which are Slavic

AVAILABLE: Library of Congress

1. Chlorine-Production-Methods

Card 2/2

USCOMM-DC-54825

5(1)

SOV/64-59-5-12/28

AUTHORS: Khain, P. G., Simon, A. G.

TITLE: On New Types of Salt Reservoirs for Chlorine Factories

PERIODICAL: Khimicheskaya promyshlennost', 1959, Nr 5, pp 410-413 (USSR)

ABSTRACT: A short description of the two main types of salt reservoirs is given as are used in plants producing chlorine, i.e. underground salt reservoirs (Figs 1-5) and the mechanized, not underground salt reservoirs (Figs 6,7). The salt is solved in water in these modern salt reservoirs and a saturated salt solution is produced. The salt reservoir consists of a double-spaced tank built on reinforced concrete, the length of it being dependent on the amount of salt that has to be stored. Wagons loaded with salt are directly emptied in a salt reservoir. The salt is solved in water. Then a centrifugal pump pumps the salt solution into tanks and a recirculation to complete saturation of brine is rendered possible. The bottom of the salt reservoirs consists of vibration concrete M-90 and bitumen BN-111-u. The second mentioned salt reservoir (Fig 3) differs from the first in that that the wagon with salt can be emptied on each side. This special salt reservoir (Fig 4) exhibits two parallel covered

Card 1/3

## On New Types of Salt Reservoirs for Chlorine Factories SOV/64-59-5-12/28

rows with 5 spaces each, so that complete saturation may be obtained by the overflowing of the brine. The salt reservoir (Fig 5) is covered too, containing two storage places (25 m long, 10 m wide, 3.5 m deep), which are placed along the rails of the wagon. The pump is mounted between the storage places. The open, not underground salt reservoir (Fig 6) has a grab crane for salt distribution, but exhibits some deficiencies as to discharge possibilities. The salt reservoir of figure 7 overcomes these deficiencies in that it exhibits a bridge crane, the discharge of the salt is made under the crane, and the salt reservoir has two storage places, which fact admits an easier cleaning and overhauling. A diminution of the volume of the underground salt reservoir involves investment expenses increased to the 1.5 - 1.6 fold, therefore the types (Figs 3,4) are recommended for smaller salt reservoirs, as they possess tanks for the brine at the same time. The water temperature is important for the solution of salt, because, according to S. S. Shraybman, a concentration rate of 317 - 320 g salt/l water is obtained at 70° in 6 - 8 minutes, whereas it takes 15 - 20 minutes at 20°. The importance of mechanization of the mud transport is pointed to as well as some deficiencies that occur in building salt reservoirs. Final-

Card 2/3

On New Types of Salt Reservoirs for Chlorine Factories SOV/64-59-5-12/28

ly some indications for the building of salt reservoirs are given.  
There are 7 figures.

Card 3/3

SIMON, A.G.; KHAIN, P.G.; YAKIMENKO, L.M., doktor tekhn.nauk

Ways of intensifying the technological processes in the production  
of chlorine. Zhur.VKHO 6 no.1:16-27 '61. (MIRA 14:3)  
(Chlorine)

SIMON, A.K.

Stratigraphy of Karelian folds in the Kola Peninsula. Dokl.  
AN SSSR 165 no.3:653-656 N '65. (MIRA 18:11)

1. Geologicheskiy institut Kol'skogo filiala im. S.M. Kirova  
AN SSSR. Submitted April 13, 1965.

SIMON, B.

Objective tinnitus. Khirurgija, Sofia 11 no.7:661-662 1958.

1. Iz Klinikata po ushni, nosni i gurleni bolesti pri VM I. P. Pavlov;  
Plovdiv.

(TINNITUS, case reports,  
objective (Bul))

SIMON, B., prof.

The importance of tooth extraction in the therapy of dentogenic complications. Ther.hung. 7:33-36 '59.

1. Municipal Hospital of Szevetsseg utca (Director: Prof. S. Fekete),  
Dental Department (Head: Prof. Bela Simon), Budapest.  
(TEETH EXTRACTION)

SIMON, B.

Viktor Zsak's A vaskohászat nyersanyagai (Raw Materials for Iron Metal-lurgy); a book review. p. 37. KÖHASZATI LOPAK. (Magyar Banaszati és Kohászati Folyóirat) Budapest. Vol. 11, No. 1, Jan 1956

SOURCE: East European Accessions List (EEAL) Library of Congress  
Vol. 5, No. 6, June 1956

10

SIMON, B.

Gustav Tarjan and Bela Vacsey's A vasercek es a na. volvaszto elsgyenek elokezitese  
(Iron Ores and the Preparation of the Burden for a Blast Furnace; a book review.

P. 263. (KOHASZAT LAICK) Vol. 12, no. 6, June 1957  
Budapest, Hungary

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3,  
March 1958

SIMON, Bela, dr,

On the Moroccan earthquake. Elet tud 15 no.13:354 20 Mr '60.

1. Geofizikai Intezet foldrengesvizsgalo csoportjanak  
osztalyvezetője.

SIMON, Bela, dr.

Importance of esthetics in dental practice. Fogorv. szemle 58  
no.8:243-249 Ag'65.

1. Koz'emeny a Kozponti Stomatologial Intezet (igazgato: Doc.  
Dr. Berenyi, Bela, C. Sc.) tudomanyos osztalyarol (foorvos:  
Prof. Dr. Simon Bela, Dr.Sc.).

SIMON, Bela

The July 26 earthquake in Yugoslavia. Term tud kozl 7 no.10:  
460 0 '63.

AMUL, India, dr.

Re: 46 Landslides develop? Lett. tud 19 no. 204959 5 May 1964.

APR 1, 1981.

Oilseed plants in the Ukrainian SSR. Itenislav, Prikarpattia prov., 1981. 295

SIMON,D.; SECHEL,D.

Aspects of the efficiency increase in wrapping production  
and management. Probleme econ 16 no.11:82-93 N'63.

1/1

SIMON, Emil, dr.; JUHASZ, Pal, dr.; GALAMBOS, Gabriella

Data to the problem of INH inactivation. Tuberkulozis 17 no.7:  
208-213 Jl '64.

1. A Szolnoki Mehyei Tudobeteggyogyintezet (igazgato-foorvos:  
Perenyi Gyorgy dr.) kozlemenye.

SIMON, Emil

From the "Maria Valeria" Settlement to the Attila Jozsef Housing  
Estate. Hung TU no. 2:16-17 F '64.

TOMME, J. F.; SI'MON, E. I.; KONDYREV, V.; KABOZOV, S.; BEREZOVSKIY, A.

Feeding and Feeding Stuffs

Feeding chaff to horses. ("Preparation of feed stuffs for feeding." Prof. M. F. Tomme, E. I. Simon; "Organize the preparation of feed stuffs on every farm." V. Kondyrev, S. Kabozov, A. Berezovskiy. Reviewed by N. A. Leyzerson). Konevodstvo 22 no. 8, 1952.

Monthly List of Russian Accessions, Library of Congress, November 1952. UNCLASSIFIED.

Simon, E.

Feeding of sugar beets to cows and the composition of milk. K. Markova, A. Altman, and E. Simon. *Molochnaya Prom.* 15, No. 4, 38-9 (1954).—A study was made to ascertain the effects in the ration of cows of sugar beets (I) and potatoes (II) on production of milk (III) and fat (IV), and on quality of butter. The data show that III and IV were not affected uniformly by feeding of I and II. When I and II were fed to brown Latvian high-fat milk producing cows at the rate of 20-30 and 16-22 kg. per day, resp., III increased by 2 and 0.7 kg. per day, but IV increased 0.11 and decreased 0.02 g. per 100 ml. of III in each case. However, feeding of 35 and 30 kg. of I and II, resp., to Kholmogor and Kholmogor-Ost-Friesian low-fat milk producing cows lessened III, resp., 3.8 and 2.0 kg., and increased IV 0.25 and 0.1 g. per 100 ml. of III. On the basis of the work of others, it is concluded that high-fat producing cows respond more effectively to I in the ration than those with low-fat production. An inverse relation was also observed between the seasonal temp. and III and IV. The av. size of the fat globules was appreciably reduced by I, and was affected but slightly by II. Butter manufd. from III produced on diets with I and II was of high quality. I butter was somewhat harder than II butter with higher sapon. no. and lower iodine no.

Vladimir N. Krukovsky

HORLAY, Bela, dr.,; SIMON, Emil, dr.,; STEINER, Karoly, dr.

Paralysis of the bronchial system. Orv. hetil. 96 no.37:1030-1032  
11 Sept 55.

1. A Povarosi Janos Korhaz Broncologial Tudomostalya es a Szolnoki  
Tudobeteggyogyintezetenek kozl.

(PARALYSIS,  
bronchi)

PERENYI, Gyorgy; SIMON, Emil, dr.

Cardio-respiratory examinations after segmental resection in  
tuberculosis. Tuberk. kerdesei 9 no.3:119-122 June 56.

1. A Szolnoki Megyei Tudobeteggyogyintezet (igaz:-foorvos:  
Perenyi, Gyorgy, dr.) kozl.

(TUBERCULOSIS, PULMONARY, surg.  
resection, segmental, postop. EEG & resp. funct. tests  
(Hun))

(ELECTROCARDIOGRAPHY, in various dis.  
tuberc., pulm., after segmental resection (Hun))

(RESPIRATION, funct. tests  
in pulm. tuberc. after segmental resection (Hun))